

signals to the data storage device.

164. (thrice amended) Computer-executable process steps stored on a computer-readable medium, the computer-executable process steps to control operation of a data storage device, the computer-executable process steps comprising:

code to generate a graphical user interface ("GUI"), the GUI providing a first controller for controlling at least one of a seek time of the data storage device and [a] an acoustic noise level of the data storage device;

code to operate the first controller so as to alter settings in the GUI for at least one of the seek time and the noise level of the data storage device; and

code to output commands to the data storage device causing the data storage device to alter seek trajectory shape to reduce unwanted frequencies in accordance with altered settings in the GUI by shaping input signals to the data storage device.

167. (thrice amended) An apparatus for controlling operation of a data storage device, the apparatus comprising:

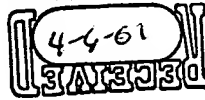
a memory which stores computer-executable process steps; and

a processor which executes the process steps so as (i) to generate a graphical user interface ("GUI"), the GUI providing a first controller for controlling at least one of a seek time of the data storage device and [a] an acoustic noise level of the data storage device, (ii) to operate the first controller so as to alter settings in the GUI for at least one of the seek time and the noise level of the data storage device, and (iii) to output commands to the data storage device causing the data storage device to alter seek trajectory shape to reduce unwanted frequencies in accordance with altered settings in the GUI by shaping input signals to the data storage device.

187. (thrice amended) Method of controlling operation of a data storage device, the method comprising the steps of:

providing a controller for controlling at least one of a seek time of the data storage device and [a] an acoustic noise level of the data storage device;

operating the controller so as to alter settings in the controller [for at least one] of a seek time and a noise level of the data storage device in inverse relation; and



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outputting commands to the data storage device causing the data storage device to alter seek trajectory shape to reduce unwanted frequencies in accordance with the altered settings by shaping input signals to the data storage device.

188. (thrice amended) A disc drive comprising a controller under control of a user which alters seek time of the disc drive and acoustic noise level of the disc drive in inverse relation by changing seek trajectory shape to reduce unwanted frequencies by shaping input signals to the disc drive.

191. (thrice amended) Computer-executable process steps stored on a computer-readable medium, the computer-executable process steps to control operation of a data storage device, the computer-executable process steps comprising:

code providing a first controller for controlling at least one of a seek time of a data storage device and [a] an acoustic noise level of a data storage device;

code to operate the first controller so as to alter settings for [at least one of] the seek time and the noise level of the data storage device in inverse relation; and

code to output commands to the data storage device causing the data storage device to alter seek trajectory shape to reduce unwanted frequencies in accordance with altered settings by shaping input signals to the data storage device.

192. (thrice amended) Apparatus for controlling operation of a data storage device, the apparatus comprising:

a memory which stores computer-executable process steps; and

a processor which executes the process steps to provide a first controller for controlling at least one of a seek time of a data storage device and [a] an acoustic noise level of the data storage device, to operate the first controller so as to alter settings for [at least one of] the seek time and the noise level of the data storage device in inverse relation, and to output commands to the data storage device causing the data storage device to alter seek trajectory shape to reduce unwanted frequencies in accordance with the altered settings by shaping input signals to the data storage device.